

32. $\frac{x^4 + x^2 - 3x + 5}{x^2 + 2}$

$$x^2 + 0x + 2 \overline{) x^4 + 0x^3 + x^2 - 3x + 5}$$

$$\begin{array}{r} (-) x^4 + 0x^3 + 2x^2 \\ \hline 0x^3 - x^2 - 3x + 5 \\ (-) -x^2 + 0x - 2 \\ \hline -3x + 7 \end{array}$$

$\frac{x^4}{x^2} = x^2$
 $\frac{-x^2}{x^2} = -1$

21. $\frac{y^3 + 3y^2 - 5y - 4}{y + 4}$

$$y + 4 \overline{) y^3 + 3y^2 - 5y - 4}$$

$$\begin{array}{r} (-) y^3 + 4y^2 \\ \hline -y^2 - 5y \\ (-) -y^2 - 4y \\ \hline -y - 4 \\ (-) -y - 4 \\ \hline 0 \end{array}$$

$\frac{y^3}{y} = y^2$
 $\frac{-y^2}{y} = -y$
 $\frac{-y}{y} = -1$